



## DECLARATION - USA PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled METHODS FOR PEPTIDE-PROTEIN BINDING PREDICTION; the specification of which was filed on **JUNE 27, 2003** as Application Serial No. **10/608,915** and was amended on .

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

I hereby claim the benefit under Title 35, United States Codes § 119(e) of any United States provisional application(s) listed below.

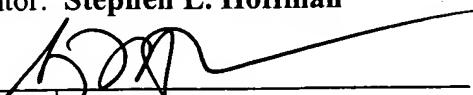
Application No.: 60/392,843

Filing Date: June 28, 2002

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

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Full name of first inventor: **Stephen L. Hoffman**

Inventor's signature 

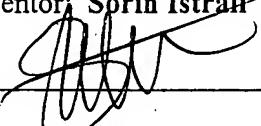
Date 10/26/03

Residence: **Gaithersburg, MD**

Citizenship: **United States**

Post Office Address: **308 Argosy Drive, Gaithersburg, MD 20878**

Full name of second inventor: **Sorin Istrail**

Inventor's signature 

Date November 42, 2003

Residence: **Rockville, MD**

Citizenship: **United States**

Post Office Address: **304 Game Creek Drive, Rockville, MD 20850**

Full name of third inventor: **Liliana Florea**

Inventor's signature Liliana J. Florea

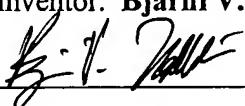
Date 11/04/2003

Residence: **Washington, D.C.**

Citizenship: **Romanian**

Post Office Address: **2501 Calvert St. NW, Apt. 905, Washington, D.C. 20008**

Full name of fourth inventor: **Bjarni V. Halldorsson**

Inventor's signature 

Date 11/5/13

Residence: **Gaithersburg, MD**

Citizenship: **Icelandic**

Post Office Address: **895 Clopper Road, A3, Gaithersburg, MD 20878**

Full name of fifth inventor: **Oliver Kohlbacher**

Inventor's signature Oliver Kohlbacher

Date 10/28/03

Residence: **Tübingen, Germany**

Citizenship: **German**

Post Office Address: **Charlottenstr. 37, 72070 Tübingen, Germany**

Full name of sixth inventor: **Russell S. Schwartz**

Inventor's signature Russell S. Schwartz

Date 10/30/03

Residence: **Pittsburgh, PA**

Citizenship: **United States**

Post Office Address: **5300 Fifth Avenue, Apt. A-7, Pittsburgh, PA 15232**

*5459 Cowden Place, Pittsburgh, PA 15217*

*RSS*

*10/30/03*

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Send Correspondence To:

**KNOBBE, MARTENS, OLSON & BEAR, LLP**

**Customer No. 20,995**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOV 26 2003  
PATENT & TRADEMARK OFFICE  
Applicant : Hoffman et al. )  
App. No. : 10/608,915 )  
Filed : June 27, 2003 )  
For : METHODS FOR PEPTIDE-PROTEIN )  
BINDING PREDICTION )  
Examiner : Unassigned )  
\_\_\_\_\_  
)

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine, California 92614, Telephone (949) 760-0404, Customer No. 20,995, as its attorneys with full power of substitution and revocation to prosecute this

App. No. : 10/608,915  
Filed : June 27, 2003

application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

Applera Corporation

Dated: Nov. 14, 2003

By:   
Jeffrey D. Frazier, Esq.

Title: Senior Patent Attorney

Address: 850 Lincoln Centre Drive  
Foster City, CA 94404-1128

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## - DO NOT RECORD -

Application No.: 10/608,915  
Filing Date: June 27, 2003

PATENT  
Client Code: ABIOS.023A  
Page 1

### ASSIGNMENT

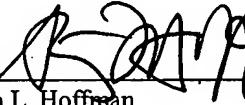
WHEREAS, We, Stephen L. Hoffman, a United States citizen, residing at 308 Argosy Drive, Gaithersburg, MD 20878, Sorin Istrail, a United States citizen, residing at 304 Game Creek Drive, Rockville, MD 20850, Liliana Florea, a citizen of Romania, residing at 2501 Calvert St. NW, Apt. 905, Washington, D.C. 20008, Bjarni V. Halldorsson, a citizen of Iceland, residing at 895 Clopper Road, A3, Gaithersburg, MD 20878, Oliver Kohlbacher, a citizen of Germany, residing at Charlottenstr. 37, 72070 Tübingen, Germany, and Russell S. Schwartz, a United States citizen, residing at ~~5300 Fifth Avenue, Apt. A-7~~, Pittsburgh, PA 15237, have invented certain new and useful improvements in a METHODS FOR PEPTIDE-PROTEIN BINDING PREDICTION for which we have filed an application for Letters Patent in the United States, Application No. 10/608,915, filed on June 27, 2003;

AND WHEREAS, Applera Corporation (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 850 Lincoln Centre Drive, Foster City, CA 94404-1128, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13 day of November 2003

  
Stephen L. Hoffman

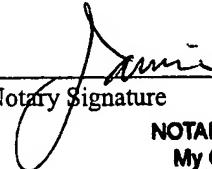
STATE OF Maryland }  
} ss.

COUNTY OF Montgomery

On 13th Nov, 2003, before me, Stephen L Hoffman, personally appeared Stephen L. Hoffman personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

  
Notary Signature

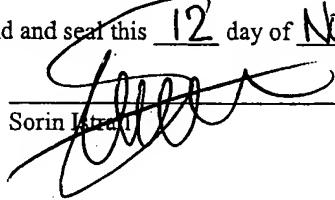
JAMIE LIANG  
NOTARY PUBLIC, STATE OF MARYLAND  
My Commission Expires June 9, 2007

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Application No.: 10/608,915  
Filing Date: June 27, 2003

PATENT  
Client Code: ABIOS.023A  
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of November, 2003

  
Sorin Istrail

STATE OF }  
} ss.  
COUNTY OF }

On 11/12/03, before me, Eula Wiltner, personally appeared Sorin Istrail personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Eula Wiltner  
Notary Signature

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Application No.: 10/608,915  
Filing Date: June 27, 2003

PATENT  
Client Code: ABIOS.023A  
Page 3

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 31<sup>st</sup> day of October, 2003

Liliana Florea 10/31/2003

Liliana Florea

STATE OF Maryland }  
} ss.  
COUNTY OF Montgomery }

On October 31<sup>st</sup>, before me, Holly Howarth, personally appeared Liliana Florea personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that she executed the same in her authorized capacity(ies), and that by her signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Holly Howarth  
Notary Signature



Holly A. Howarth, Notary Public  
Montgomery County  
State of Maryland  
My Commission Expires July 1, 2006

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Application No.: 10/608,915  
Filing Date: June 27, 2003

PATENT

Client Code: ABIOS.023A

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of October, 2003.

Bjarni V. Halldorsson

Bjarni V. Halldorsson

STATE OF Maryland }  
 } ss.  
COUNTY OF Montgomery

On October 26th, before me, Holly A. Howarth, personally appeared Bjarni V. Halldorsson personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Holly A. Howarth

Notary Signature



Holly A. Howarth, Notary Public  
Montgomery County  
State of Maryland  
My Commission Expires July 1, 2006

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Client Code: ABIOS.023A  
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Application No.: 10/608,915  
Filing Date: June 27, 2003

Oliver Kohlbacher

Date: 10/28/03

Witness by: Andrew KBF

Date: 10/28/03

Witness by: Yena Schott

Date: 10/28/03

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Application No.: 10/608,915  
Filing Date: June 27, 2003

PATENT  
Client Code: ABIOS.023A  
Page 6

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 30<sup>th</sup> day of October, 2003.

Russell S. Schwartz  
Russell S. Schwartz

STATE OF Pennsylvania }  
COUNTY OF Allegheny } ss.

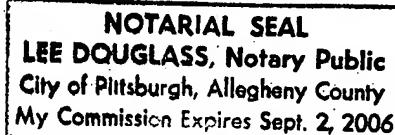
On 30 Oct 03 before me, Lee Douglass Notary, personally appeared Russell S. Schwartz personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Lee Douglass  
Notary Signature

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**LIMITED AUTHORIZATION TO ACT ON BEHALF OF ASSIGNEE  
REGARDING CERTAIN PATENT AND TRADEMARK MATTERS EFFECTIVE  
THROUGH: December 31, 2005**

\*\*\*\*\*

I, Paul D. Grossman, as Assistant Secretary of Applera Corporation ("Applera"), hereby authorize: Vincent M. Powers, Reg. No. 36, 246, Scott R. Bortner, Reg. No. 34,298, Jeffery D. Frazier, Reg. No. 34,601, and Andrew T. Karnakis, Reg. No. 27,909, all Senior Patent Attorneys, (1) to act on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark entities, (2) to execute power of attorney documents on behalf of Applera, to appoint and/ or establish any attorneys, agents, and/ or law firms to act on behalf of Applera, in any foreign or international patent or trademark applications filed with any foreign and/ or international patent or trademark offices, and (3) to execute assignment and ownership documents on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark offices.



Paul D. Grossman  
Assistant Secretary, Applera Corporation

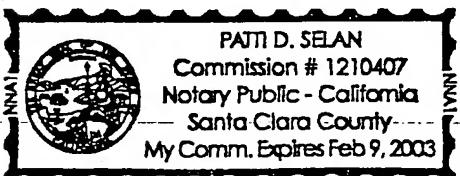
1-9-03

Date

State of California      )  
                            )  
                            ) ss.  
County of San Mateo    )

On Jan. 9, 2003 before me, Patti D. Selan, Notary Public, personally appeared Paul D. Grossman, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public